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Device for Precise Application of Vegetable Oil or Other Liquids

Description

The present invention pertains to the field of kitchen appliances, particularly the development of a device for dosing and evenly distributing vegetable oils on bread surfaces such as regular bread, rolls, toast, flatbread, or similar.

Currently known oil dispensers are primarily designed for general kitchen use and focus on the simple pouring or spraying of oil for cooking and serving purposes. These devices, such as ceramic or glass bottles with special pouring mechanisms, provide control over the amount of oil dispensed but are not specifically designed for the targeted and even distribution of oil on bread surfaces. Typical products are either characterized by a simple pouring form or spray systems, which are intended to allow a broad distribution but often fail to provide precise control over the amount of oil or exact surface coverage.

The shortcomings of existing solutions lie mainly in the imprecise dosing and the difficulty of evenly distributing oil over a larger surface without soaking the bread or applying too little oil in certain areas. The handling is often cumbersome, and the devices frequently require careful cleaning to avoid blockages and hygiene issues.

The present invention solves these problems through an innovative vegetable oil dispenser specifically developed for evenly distributing oil on bread surfaces. The dispenser includes a screw-on oil container (or container for other liquids) and a dispensing device featuring an adjustable slot to customize the amount and width of the oil strip. In the simplest version of the device, the slot has a fixed size, with optional various attachments available for different types of bread. An integrated vent ensures a smooth oil flow. The ability to screw the dispensing device directly onto commercially available oil or other bottles increases the device's flexibility and range of applications. These features enable precise, economical, and hygienic distribution of oil or other liquids.

Thus, my invention is based on the further development of devices for the precise dispensing of vegetable oil or other liquids:

There are many solutions related to the invention, some of which are technical.

The existing solutions fulfill their function according to circumstances but do not have the capabilities of the aforementioned invention.

A universally usable solution is desired. The invention specified in claim 1 of a device for the precise application of vegetable oil or other liquids meets these requirements.

Exemplary Embodiment:

The invention is a liquid dispenser, specifically a vegetable oil dispenser, that evenly distributes the oil over a slice of toast, flatbread, rolls, or regular bread by moving it across the bread surface. The dispenser consists of a screw-on (or push-on or with a bayonet lock, possibly with a seal) tank (oil or liquid container 3) and the head part (dispensing device 1), through which an adjustable slot 2 (e.g., by a screw/ screw thread for the slot height and width or simple shifting) can set the amount and width of the oil strip (Fig. 1). In the simplest version, the slot 2 is not adjustable, and various fixed attachments can optionally be provided. The advantage over butter and margarine (which often have a higher content of saturated fats) is that oil, with a higher content of unsaturated fats, is generally healthier. Vegetable oils can be mixed independently, produce less plastic waste, and do not need to be refrigerated (e.g., olive oil, sunflower oil, linseed oil, walnut oil, rapeseed oil, etc.). The dispenser can be used at breakfast, dinner, or any other meal. Thus, the vegetable oil dispenser contributes to a healthier diet and can be used sparingly instead of a diet. A vent in the form of a small tube 4 or a groove integrated into the oil container for trouble-free oil flow is installed in the head part or the closure 5 and extends to the bottom of the reservoir. An optional valve can be used at the bottom of the oil or liquid container 3. The container 3 can be made from different materials, such as plastic, glass, wood, or metal. The oil flow stops immediately by setting the dispenser upright. The head part/dispensing device 1 can optionally also be screwed directly onto (small) oil bottles. The (dosing) slot 2 can optionally have a cover with a holder/holding loop. The dispenser's principle can also be applied to other areas: e.g., with paint, water, vinegar, soy sauce, liquid seasonings, or other liquids.

The present invention describes a vegetable oil dispenser developed for use on bread surfaces such as rolls, toast, flatbread, regular bread, or similar. This device allows precise and even distribution of vegetable oil, making it an ideal solution for healthy eating.

The vegetable oil dispenser consists of two main components: an oil container 3 and a dispensing device 1 as the head part. The oil container is, for example, cylindrical and can be made of various materials such as plastic, glass, metal, or wood. It has a screw thread at the top (or a plug system or bayonet lock, etc.) to securely and tightly close the container 3 while allowing easy refilling of oil or other liquids.

The dispensing device 1, which is screwed or plugged onto the oil container 3, contains an adjustable slot 2 through which the oil or another liquid is dispensed. This slot can be manually adjusted to control or dose the amount and width of the oil strip, allowing flexible application to different types and sizes of bread. Various attachments can be placed on the dispensing device 1 for different requirements, which are fixed or also adjustable. In addition, a non-adjustable slot 2 can also dose the amount of oil or liquid by slow or fast drawing.

The user, for example, fills the oil container 3 with the desired vegetable oil, such as olive oil, rapeseed oil, another cooking oil, or another liquid. After screwing the dispensing device 1 onto the container, the user can adjust the slot 2 according to the desired oil amount and strip width or select a corresponding fixed attachment. By gently pulling the dispenser across the bread surface, the oil is evenly distributed without soaking the bread.

An integrated vent within the dispensing device ensures that the oil flows evenly and without interruption. This is particularly important to ensure consistent oil distribution without overflow. The vent 4 runs, for example, from the tip of the dispensing device to the bottom of the oil container, thus preventing uneven oil flow.

Even distribution of liquids can also be useful in other areas: distributing oil on a surface/pan, etc. Alternatively, the even distribution of liquids can also be applied to paint or other liquids (from pinpoint to very wide attachments). Accordingly, the container and the head part are to be adapted.

Summary

The present invention of a liquid or oil dispenser offers an innovative solution for the even and precise distribution of, e.g., oil on bread, toast, other similar foods, or other liquids. Combining an adjustable or fixed slot in the dispensing device and efficient ventilation allows the dispenser a flexible and needs-based use, among other things, in the kitchen. The user benefits from a clean and economical way to use oil or other liquids, which contributes to flavor enhancement, particularly with oil, and facilitates daily food handling. The ability to use different attachments and screw the dispensing device onto different containers further enhances the versatility and user-friendliness of this kitchen appliance or its use in other areas.

Reference List

1. Dispensing device / head part
2. (Dosing) slot
3. Oil container / liquid container
4. Vent tube
5. (Screw) cap

Claims

1. Device for the precise application of vegetable oil or other liquids, characterized by the fact that it is constructed from a liquid container that can be opened and a dispensing device with an adjustable or fixed slot in various sizes.
2. Device for the precise application of vegetable oil or other liquids, according to claim 1, characterized by the fact that the dispensing device has an integrated vent (tube, groove, etc.), which, for example, reaches to the bottom of the container, or a valve is installed at the bottom of the oil container.
3. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims, characterized by the fact that the dispensing device has a removable cover with an optional holder.
4. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims, characterized by the fact that the dispensing device has a seal, a screw thread, a plug connection, a bayonet lock, or another closure at the connection to the container.
5. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims, characterized by the fact that a fill level indicator is present in/on the oil container/liquid container.
6. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims, characterized by the fact that the oil container/liquid container is made of an opaque material.

7. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims,
characterized by
the fact that interchangeable attachments are designed for the dispensing device.

8. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims,
characterized by
the fact that the adjustable slot can be set by mechanical means (e.g., by screws/screw threads, sliding device) or by electrical control and optionally includes a wireless control unit for adjusting the slot.

9. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims,
characterized by
the fact that the container and dispensing device are made, among other things, of heat-resistant, food-safe, and dishwasher-safe material.

10. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims,
characterized by
the fact that the container is made of various materials (e.g., plastic, glass, wood, metal, etc.).

11. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims,
characterized by
the fact that the dispensing device is also designed for direct mounting on commercial oil or other bottles.

12. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims,
characterized by

the fact that the dispensing device includes a manual or electric pump for dispensing the oil or liquid.

13. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims,
characterized by
the fact that the container has a textured surface to facilitate handling.

14. Device for the precise application of vegetable oil or other liquids, according to one of the preceding claims,
characterized by
the fact that the liquid container is made from environmentally friendly and recyclable materials.

Fig. 1

